

**Amendments to the Specification**

***Please replace the paragraph beginning on page 108, line 13 with the following amended paragraph:***

The brain homogenates were diluted 1:10 with ice cold Casein Diluent (0.25% casein, PBS, 0.05% sodium azide, 20 µg/ml aprotinin, 5 mM EDTA pH 8.0, 10 µg/ml leupeptin) and then centrifuged at 16,000 x g for 20 min at 4° C. The synthetic A $\beta$  protein standards (1-42 amino acids) and the APP standards were prepared to include 0.5 M guanidine and 0.1% bovine serum albumin (BSA) in the final composition. The "total" A $\beta$  sandwich ELISA utilizes monoclonal antibody monoclonal antibody 266, specific for amino acids 13-28 of A $\beta$  (Seubert *et al.*, *supra*), as the capture antibody, and biotinylated monoclonal antibody 3D6, specific for amino acids 1-5 of A $\beta$  (Johnson-Wood *et al.*, *supra*), as the reporter antibody. The 3D6 monoclonal antibody does not recognize secreted APP or full-length APP, but detects only A $\beta$  species with an amino-terminal aspartic acid. The cell line producing the antibody 3D6 has the ATCC accession number PTA-5130, having been deposited at the ATCC (American Type Culture Collection, 10801 University Boulevard, Manassas, VA 20110-2209) on April 8, 2003. This assay has a lower limit of sensitivity of ~50 ng/ml (11nM) and shows no cross-reactivity to the endogenous murine A $\beta$  protein at concentrations up to 1 ng/ml (Johnson-Wood *et al.*, *supra*).